

93
B
Ph

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re U.S. Patent Application of

SUGAHARA ET AL.

Application Number: 10/522,241

Filed: October 5, 2005

For: A SPIN TRANSISTOR BASED ON THE SPIN-FILTER
EFFECT AND A NONVOLATILE MEMORY USING
SPIN TRANSISTORS (AS AMENDED)

ATTORNEY DOCKET NO. HIRA.0178

Art Unit 2815

Examiner
Valentine, Jami M.

Commissioner of Patents
P.O. Box 1450
Alexandria, VA 22313-1450

LETTER

Sir:

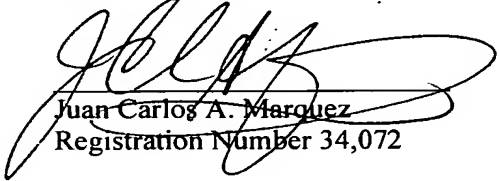
The below-identified communications are submitted in the above-captioned application or proceeding:

- | | |
|--|--|
| <input type="checkbox"/> Priority Document | <input checked="" type="checkbox"/> Information Disclosure Statement |
| <input type="checkbox"/> Request for Priority | w/1449 and references |
| <input type="checkbox"/> Response to Notice of | <input type="checkbox"/> Petition under 37 C.F.R. 1.47(a) |
| Non-Compliant Amendment | <input checked="" type="checkbox"/> Check \$180.00 |

- ☒ The Commissioner is hereby authorized to charge payment of any fees associated with this communication, including fees under 37 C.F.R. § 1.16 and 1.17 or credit any overpayment to **Deposit Account Number 08-1480**. A duplicate copy of this sheet is attached.

Respectfully submitted,

Stanley P. Fisher
Registration Number 24,344


Juan Carlos A. Marquez
Registration Number 34,072

REED SMITH LLP
3110 Fairview Park Dr., Suite 1400
Falls Church, Virginia 22042s
(703) 641-4200
June 4, 2008



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re U.S. Patent Application of)

SUGAHARA ET AL.)

Application Number: 10/522,241)

Filed: October 5, 2005)

For: A SPIN TRANSISTOR BASED ON THE SPIN-FILTER)
EFFECT AND A NONVOLATILE MEMORY USING)
SPIN TRANSISTORS (AS AMENDED))

ATTORNEY DOCKET NO. HIRA.0178)

Art Unit 2815

Examiner

Valentine, Jami M.

Commissioner of Patents

P.O. Box 1450

Alexandria, VA 22313-1450

LETTER

Sir:

The below-identified communications are submitted in the above-captioned application or proceeding:

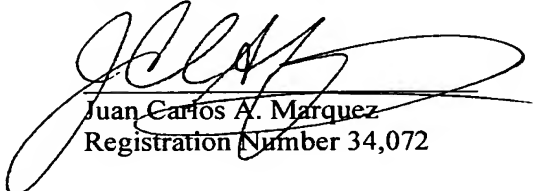
- () Priority Document
() Request for Priority
() Response to Notice of
Non-Compliant Amendment

- (X) Information Disclosure Statement
w/1449 and references
() Petition under 37 C.F.R. 1.47(a)
(X) Check \$180.00

- ☒ The Commissioner is hereby authorized to charge payment of any fees associated with this communication, including fees under 37 C.F.R. § 1.16 and 1.17 or credit any overpayment to Deposit Account Number 08-1480. A duplicate copy of this sheet is attached.

Respectfully submitted,

Stanley P. Fisher
Registration Number 24,344


Juan Carlos A. Marquez
Registration Number 34,072

REED SMITH LLP
3110 Fairview Park Dr., Suite 1400
Falls Church, Virginia 22042s
(703) 641-4200
June 4, 2008



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re U.S. Patent Application of

SUGAHARA et al.

Application Number: 10/522,241

Filed: October 5, 2005

**For: A SPIN TRANSISTOR BASED ON THE SPIN-FILTER
EFFECT AND A NON-VOLATILE MEMORY USING
SPIN TRANSISTORS (AS AMENDED)**

Attorney Docket No. HIRA.0178

)
)
) **Unit 2815**
)
) **Examiner**
) **Valentine, Jami M.**
) 05/05/2008 WABDELRI 00000001 10522241
) FC:1806 180.00 OP
)
)
)
)
)

**Honorable Assistant Commissioner
for Patents
Washington, D.C. 20231**

INFORMATION DISCLOSURE STATEMENT

Sir:

Pursuant to 37 C.F.R. §§ 1.56 and 1.97, this Information Disclosure Statement is submitted in the above-identified patent application. A listing of documents to be published on the face of any patent granted from this application is submitted herewith on Form PTO-1449. Any other documents or information submitted for consideration by the Examiner are listed in this paper. A copy of each U.S. and foreign patent, or each publication or portion thereof listed or herein identified, is submitted herewith.

CERTIFICATION

This Information Disclosure Statement is submitted after the mailing date of a Notice of Allowance sent in this application but before payment of the Issue Fee. The certification required under 37 C.F.R. § 1.97(e) is submitted separately or below.

05/05/2008 WABDELRI 00000001 10522241
FC:1806 180.00 OP

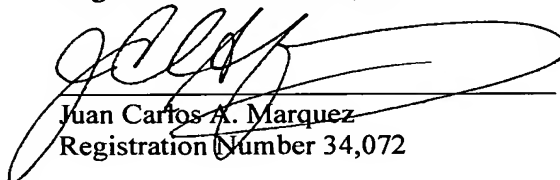
It is hereby certified that each item of information contained in this statement was cited in a communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of this statement. The fee required under 37 C.F.R. 1.97(c) is submitted herewith.

The Examiner is requested to acknowledge consideration of the information provided in this paper in accordance with prescribed procedures.

Please charge any additional fees or credit any overpayments in connection with this paper to Deposit Account No. 08-1480.

Respectfully submitted,

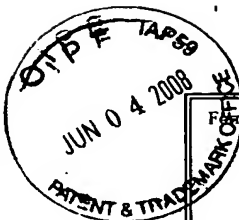
Stanley P. Fisher
Registration Number 24,344



Juan Carlos A. Marquez
Registration Number 34,072

REED SMITH LLP
3110 Fairview Park Drive
Suite 1400
Falls Church, Virginia 22042
(703) 641-4200

June 4, 2008



Form PTO 1449 U.S. Department of Commerce Patent and Trademark Office Information Disclosure Statement by Applicant	ATTY. DOCKET NUMBER HIRA.0178	SERIAL NUMBER 10/522,241
	APPLICANT SUGAHARA et al.	
	FILING DATE October 5, 2005	GROUP 2815

U.S. Patent Documents

Examiner Initial	DOCUMENT NUMBER	DATE	NAME	CLASS	SUB CLASS	FILING DATE
	5,877,511	3/2/1999	Tanamoto et al.			9/29/1997
	6,069,820	5/30/2000	Inomata et al.			2/10/1999
	5,652,445	7/29/1997	Johnson			5/6/1996
	6,381,171 B1	4/30/2002	Inomata et al.			5/17/2000
	6,297,987 B1	10/2/2001	Johnson et al.			9/30/1999

Foreign Patent Documents

Examiner Initial	DOCUMENT NUMBER	FILING DATE	COUNTRY	CLASS	SUB- CLASS	TRANSLATION	
						YES	NO
	WO 01/99137 A2	6/19/2001	PCT			X	
	WO 01/099137 A3	6/19/2001	PCT			X	

Other Documents (Including Author, Title, Date Pertinent Pages, Etc.)

	Supplementary European Search Report for Appl. No. 03771333.6 - 2203, PCT/JP0309438, dated May 8, 2008.
EXAMINER	DATE CONSIDERED

PTO1449